

FIG. 1A

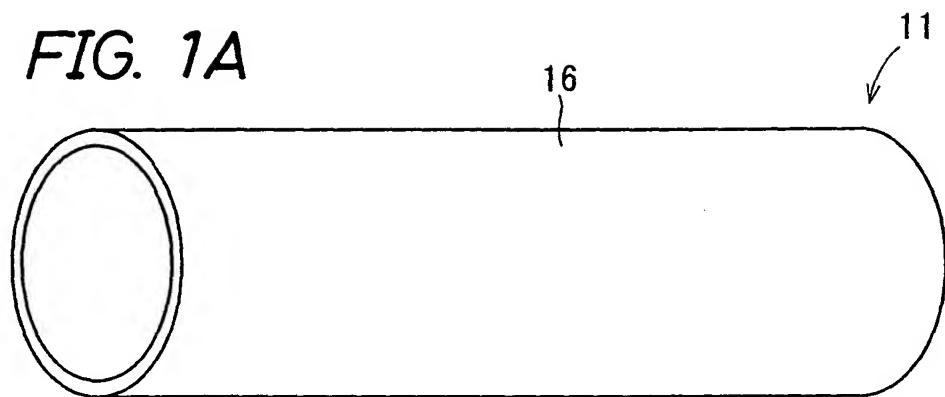


FIG. 1B

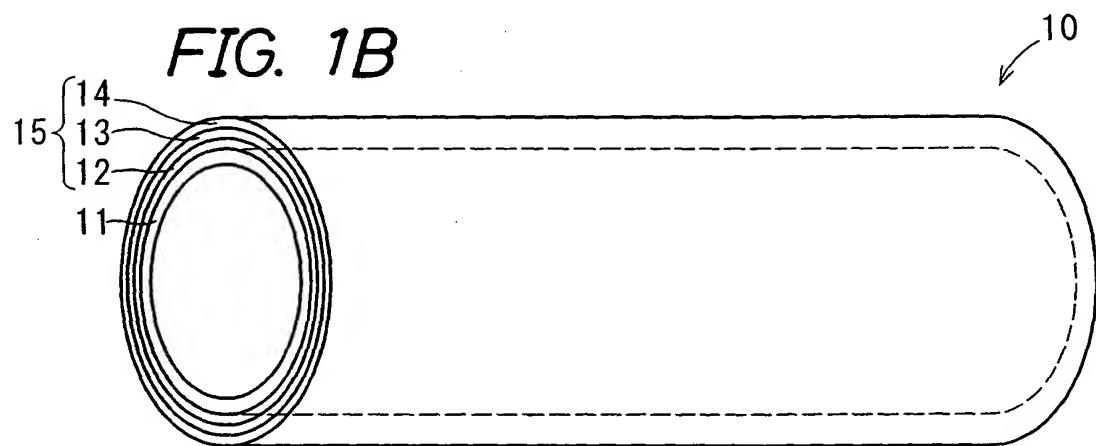
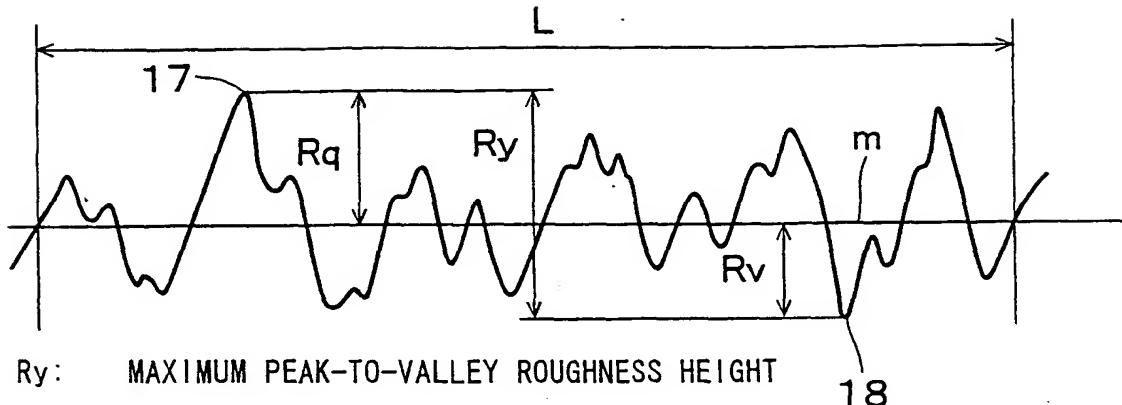


FIG. 2

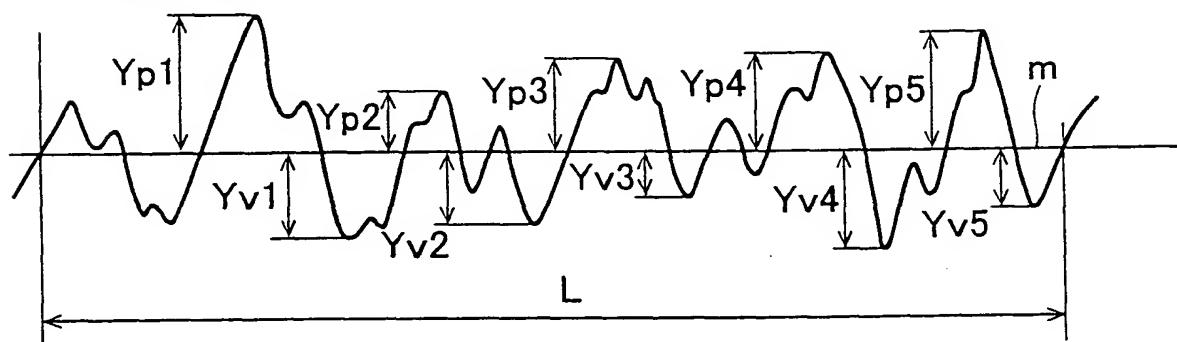


Ry: MAXIMUM PEAK-TO-VALLEY ROUGHNESS HEIGHT

m: AVERAGE LINE

L: REFERENCE LENGTH

FIG. 3



$$Rz = (| Yp1 + Yp2 + Yp3 + Yp4 + Yp5 | + | Yv1 + Yv2 + Yv3 + Yv4 + Yv5 |) / 5$$

Yp1, Yp2, Yp3, Yp4, Yp5: HEIGHT OF THE HIGHEST PEAK TO THE 5TH HIGHEST PEAK IN A TAKEN-OUT PORTION CORRESPONDING TO REFERENCE LENGTH L

Yv1, Yv2, Yv3, Yv4, Yv5: HEIGHT OF THE DEEPEST VALLEY TO THE 5TH DEEPEST VALLEY IN A TAKEN-OUT PORTION CORRESPONDING TO REFERENCE LENGTH L

Rz: TEN-POINT AVERAGE ROUGHNESS

m: AVERAGE LINE

L: REFERENCE LENGTH

FIG. 4

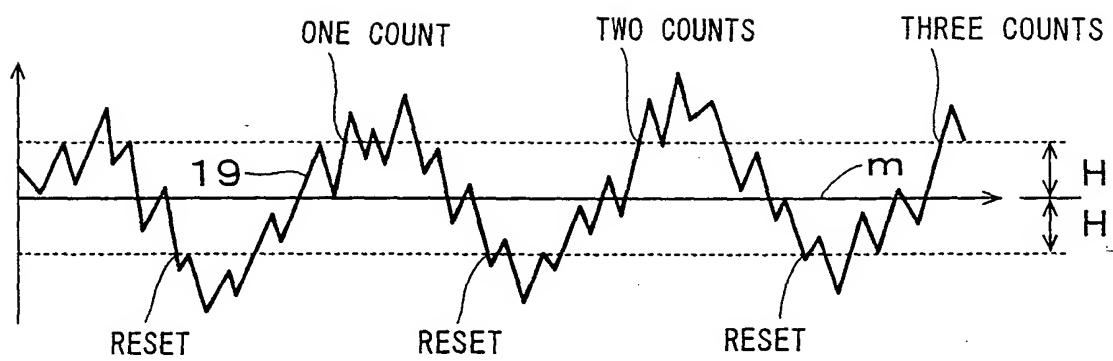


FIG. 5

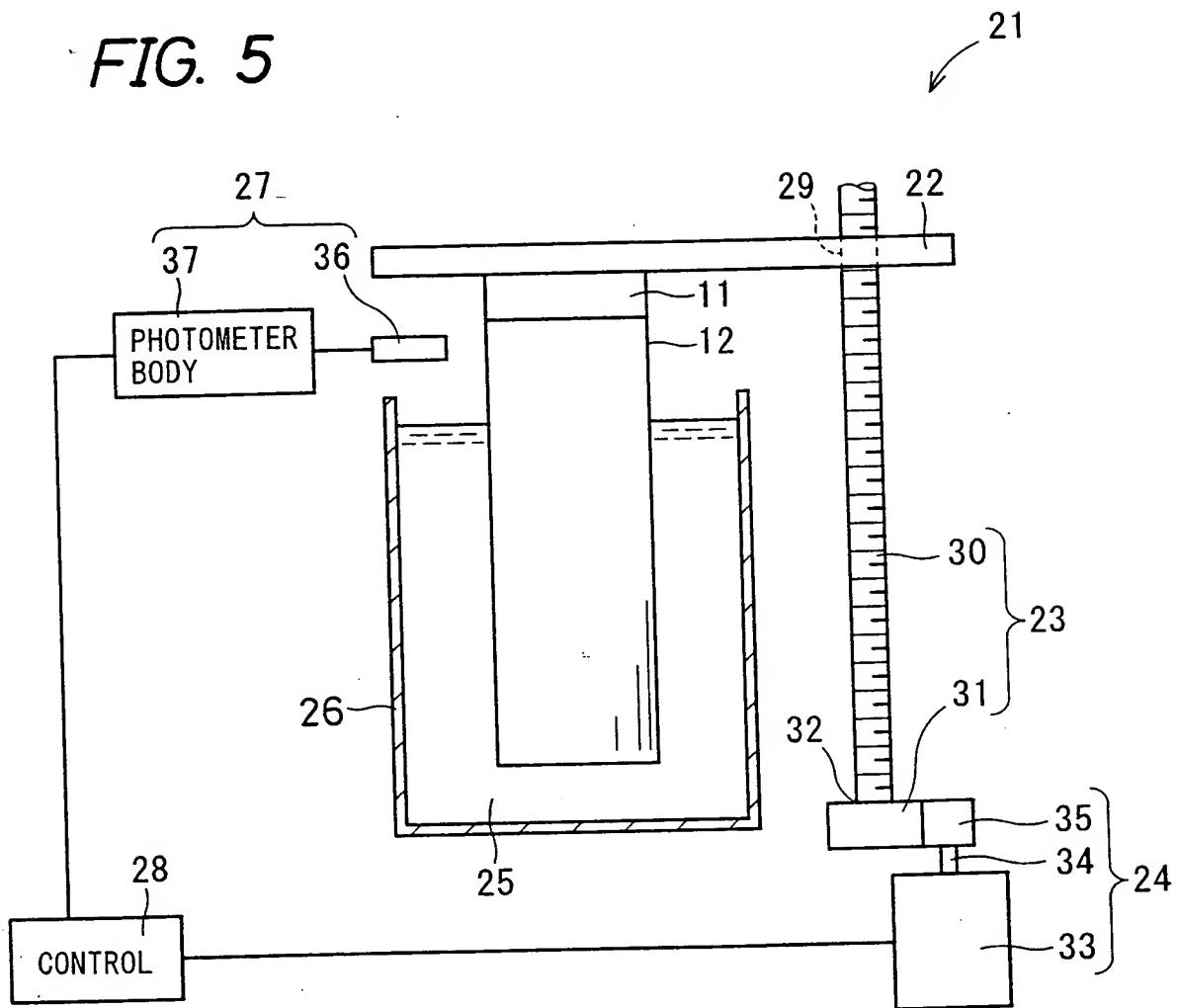


FIG. 6

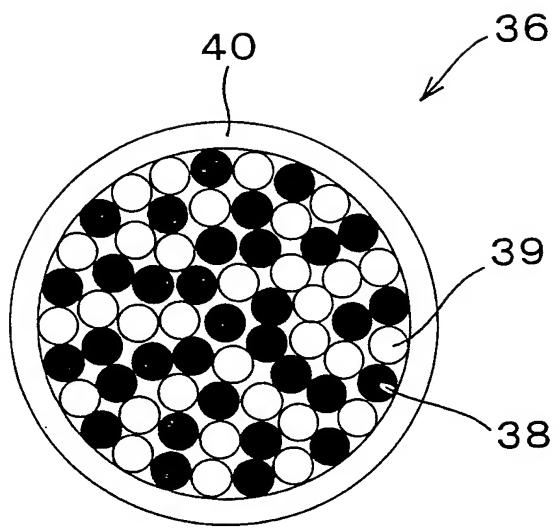


FIG. 7

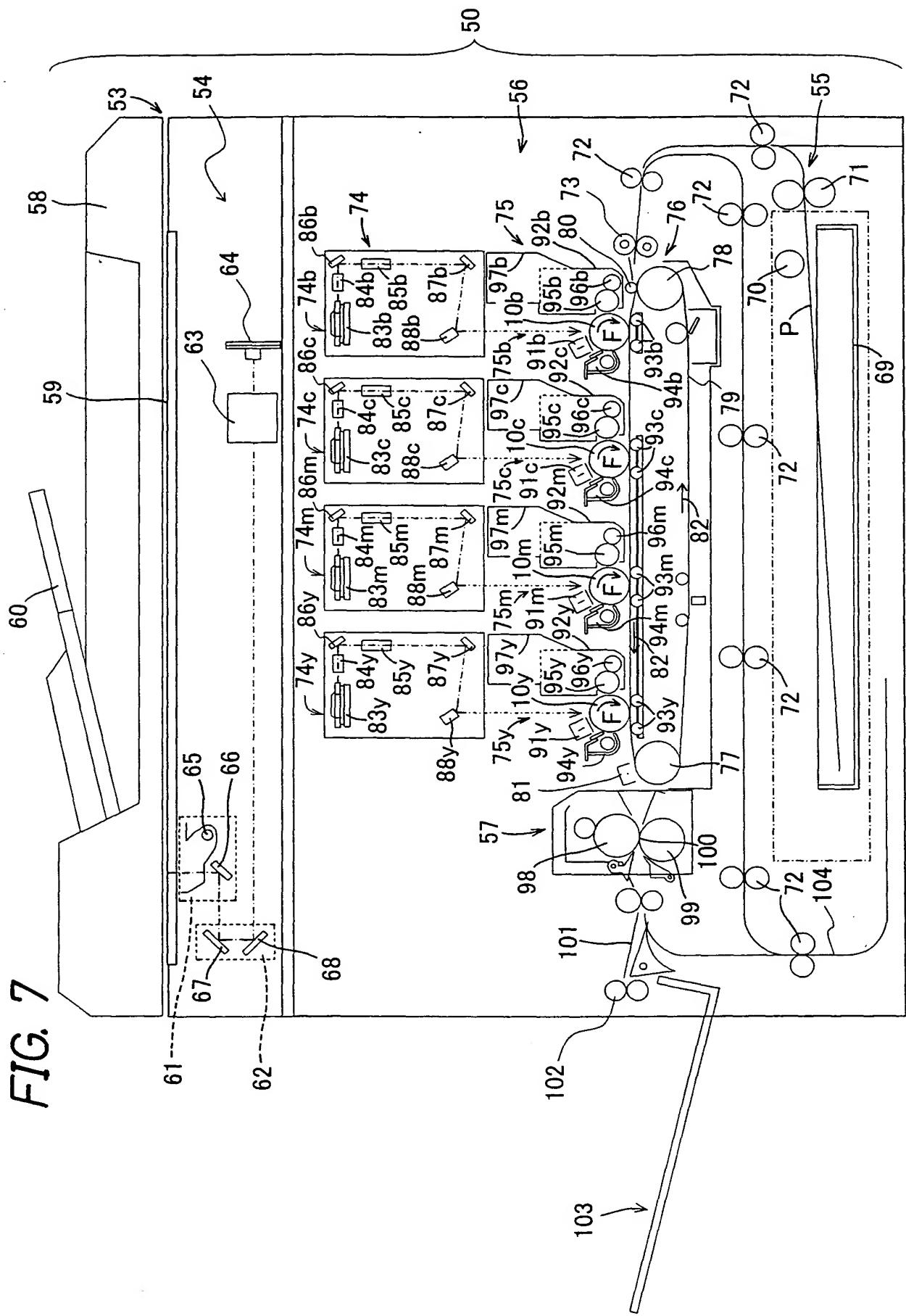


FIG. 8

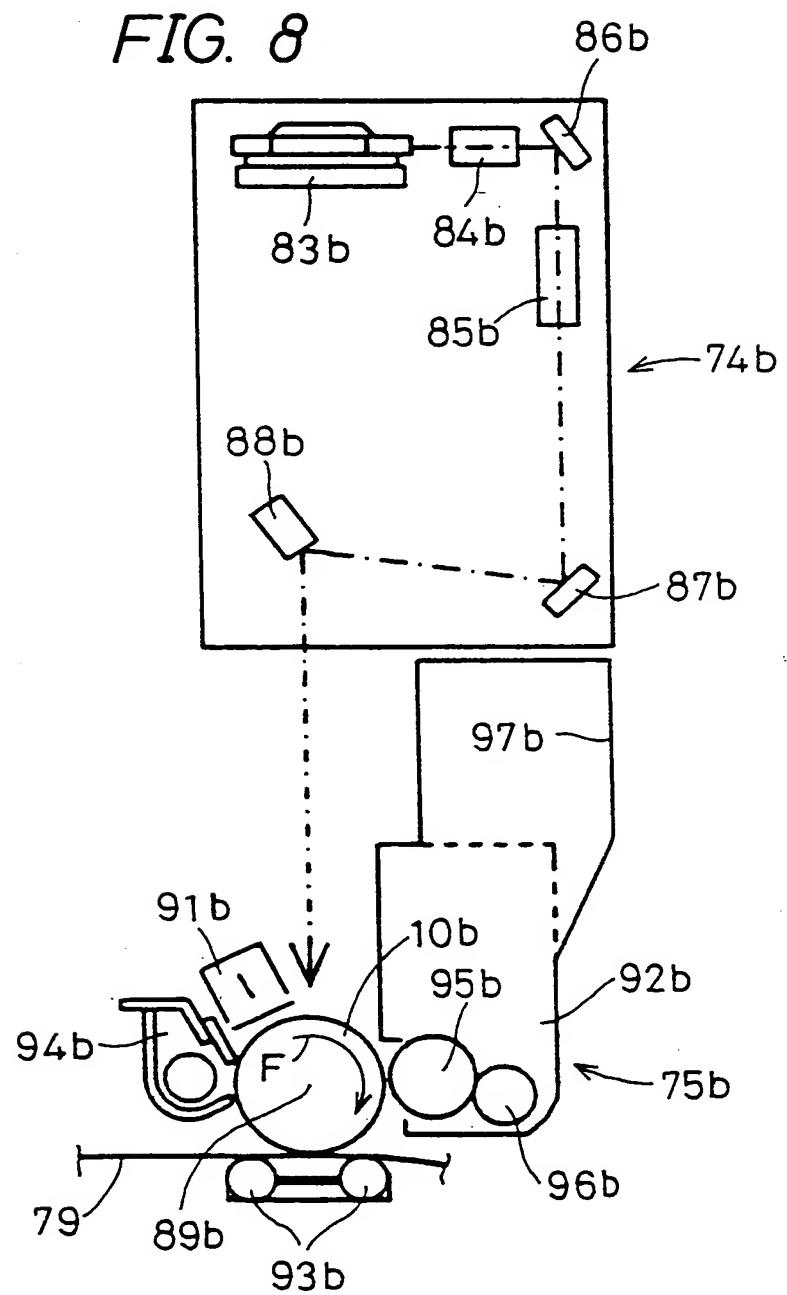


FIG. 9

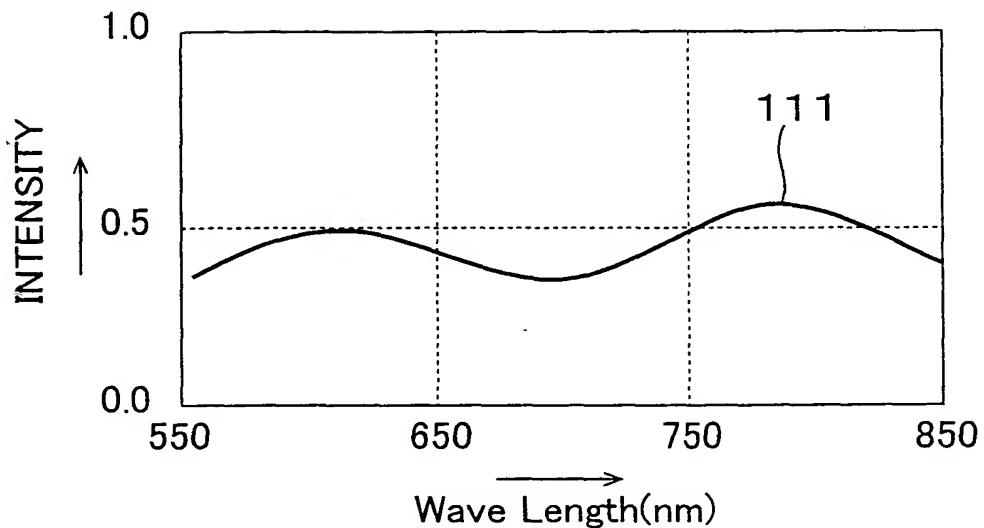


FIG. 10

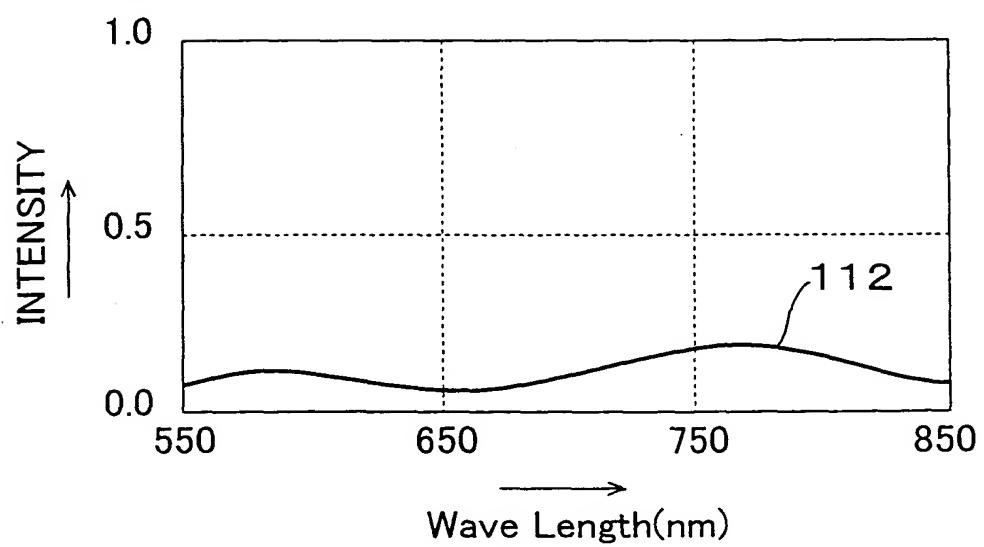


FIG. 11

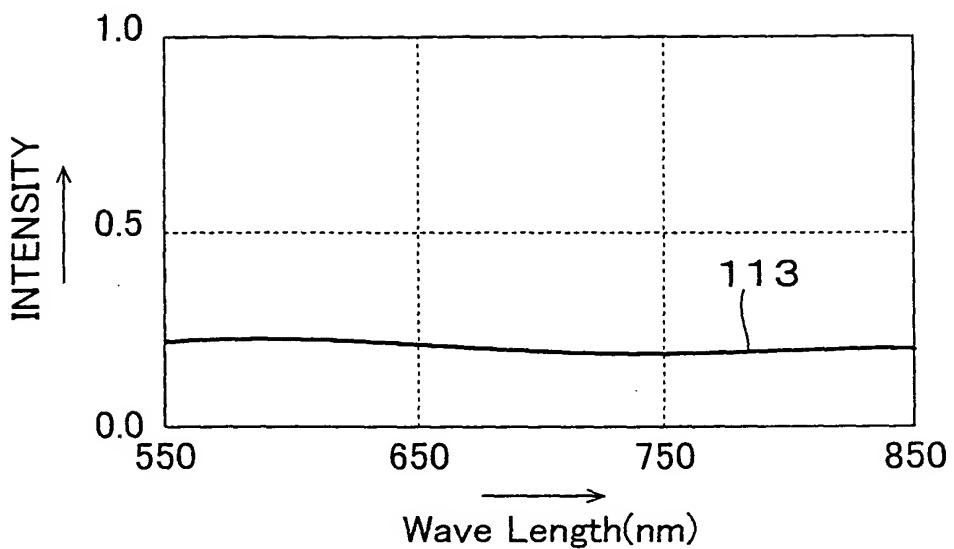


FIG. 12

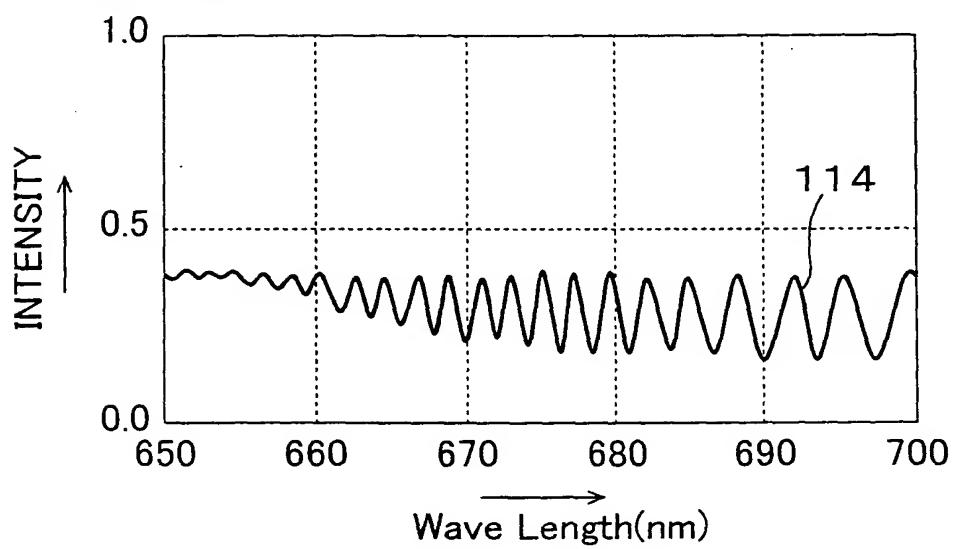


FIG. 13

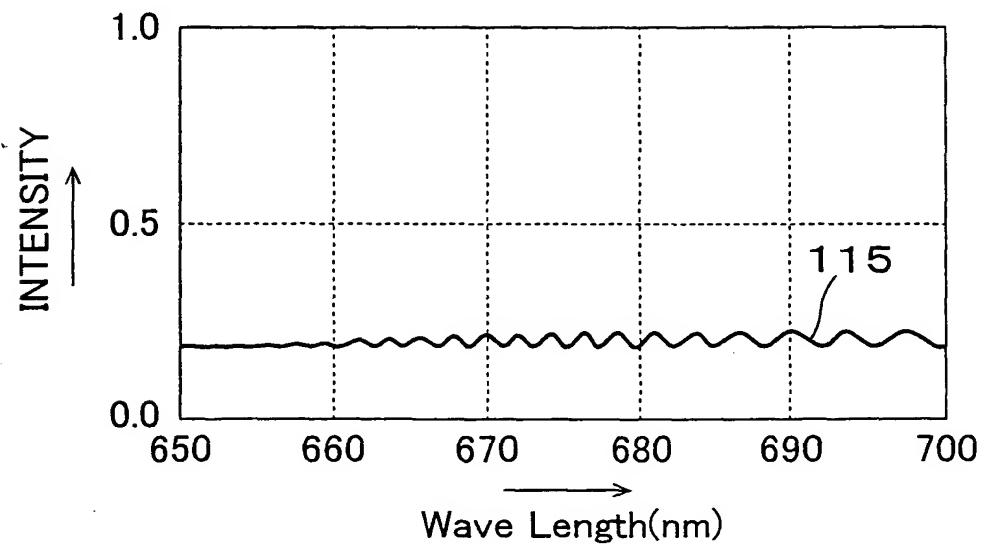


FIG. 14

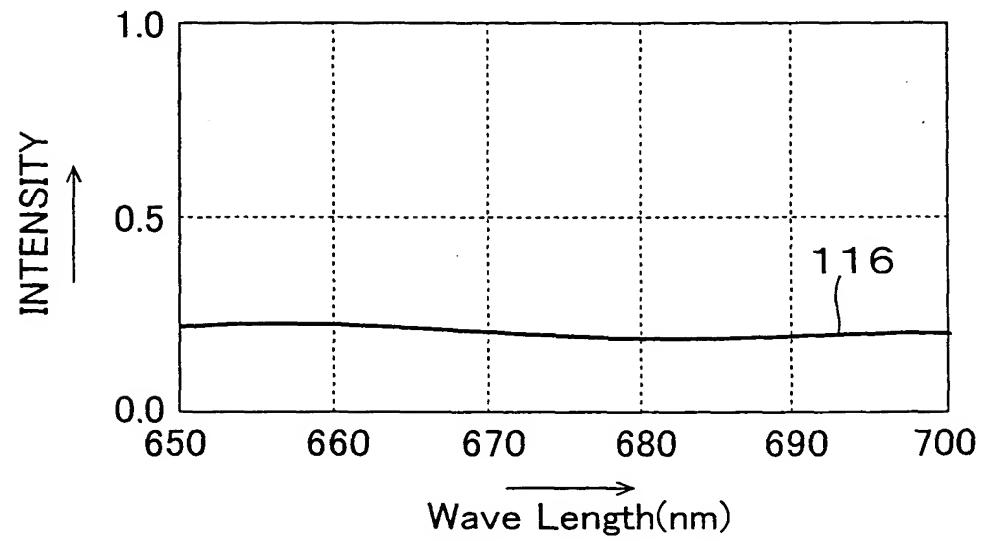


FIG. 15A

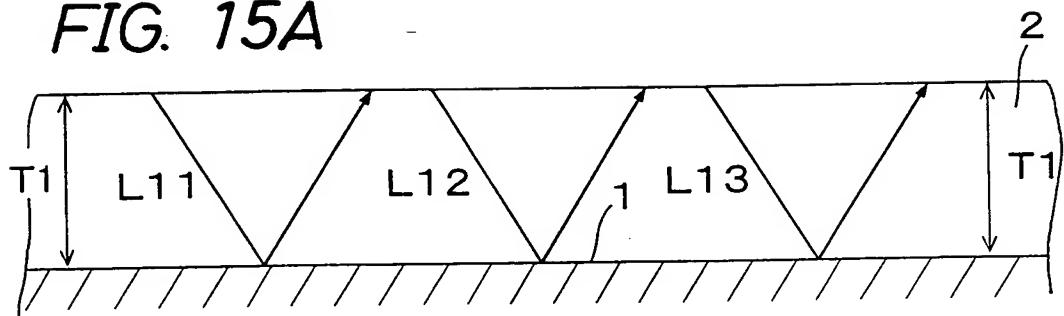


FIG. 15B

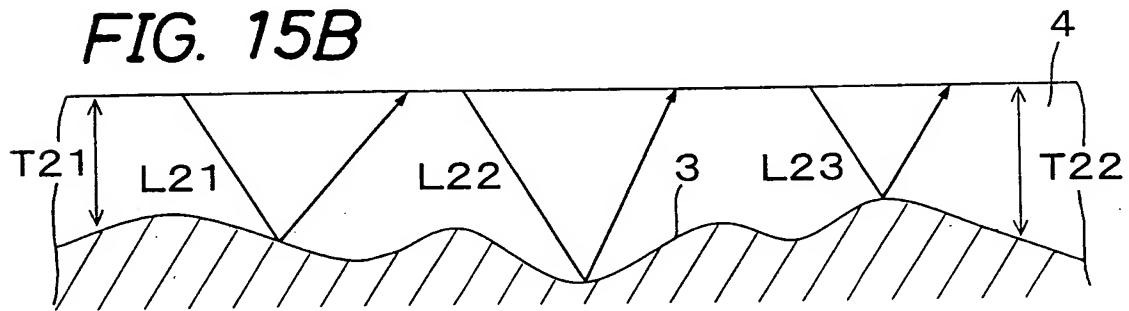


FIG. 16A

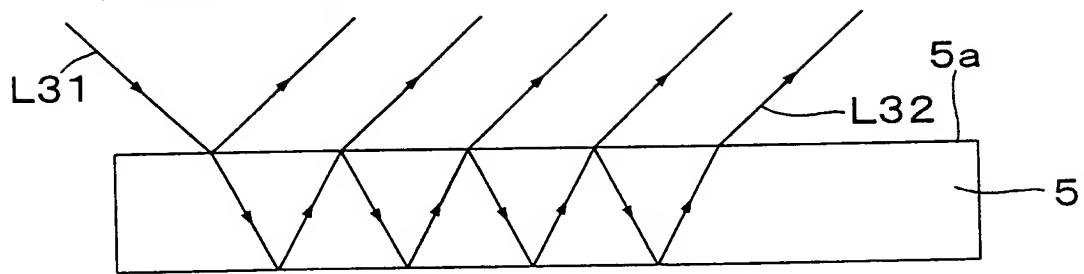


FIG. 16B

